



# PAG13X SERIES

Flexible Metal Conduit - Square-lock Galvanized Steel

Low Fire Hazard (LFH) Solution

<b>Material:</b>	<b>Galvanized Steel</b>	<b>Profile:</b>	<b>Square-lock</b>	<b>Standard:</b>	<b>IEC 61386</b>
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The PAG13X Series represents a premium line of flexible metal conduits manufactured with galvanized steel strip using continuous square-lock profiling. Engineered with Low Fire Hazard (LFH) properties, this series delivers exceptional safety performance for critical applications including buildings, railway systems, marine environments, elevators, and industrial installations. The three classification levels—Light, Medium, and Heavy—provide flexible solutions for diverse environmental and mechanical demands.

- ✓ **Low Fire Hazard:** Minimized smoke and toxic gas emission during combustion
- ✓ **High Flexibility:** Exceptional bendability for complex installation pathways
- ✓ **Wide Temperature Range:** Operates reliably from -45°C to +350°C
- ✓ **RoHS Compliant:** Environmentally responsible material composition
- ✓ **Durable Construction:** Galvanized steel for enhanced corrosion resistance
- ✓ **IEC 61386 Certified:** Meets international electrical safety standards

Property	Specification
Material	Galvanized Steel
Profile Design	Square-lock
Temperature Range	-45°C to +350°C
IP Rating	IP 40
Flexibility Rating	High (≤ 2")
Tensile Resistance	500N
Fire Classification	Low Fire Hazard (LFH)
RoHS Compliance	Yes (Verified)

- ✓ IEC 61386-1:2008 - Conduit systems for cable management
- ✓ IEC 61386-21:2017 - Particular requirements for rigid conduit systems
- ✓ EN 61386 - European conduit system standards
- ✓ CE Marking - European conformity assessment
- ✓ RoHS Directive 2011/65/EU - Hazardous substance restriction

Building Electrical Protection • Railway Systems • Marine & Underwater Applications • Elevator Systems • Industrial Manufacturing • HVAC Systems • Public Infrastructure • Data Center Cabling



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Size (mm)	Size (in)	Part No.	ID (mm)	OD (mm)	Bend Radius (mm)	Package (m)
10	1/4"	PAG13X-10	8.0	10.7	25	50
12	5/16"	PAG13X-12	10.3	13.0	30	50
16	3/8"	PAG13X-16	12.6	15.6	35	50
20	1/2"	PAG13X-20	16.1	19.7	35	50
25	3/4"	PAG13X-25	21.1	24.7	45	50
32	1"	PAG13X-32	26.8	30.7	50	25
40	1-1/4"	PAG13X-40	35.4	40.2	65	25
50	1-1/2"	PAG13X-50	40.3	44.9	85	25
63	2"	PAG13X-63	51.6	56.6	90	15
75	2-1/2"	PAG13X-75	63.3	70.3	145	10
90	3"	PAG13X-90	78.0	85.6	170	10
110	4"	PAG13X-110	102.5	110.1	210	10

- Ensure minimum bending radius is not exceeded during installation
- Use appropriate conduit fittings compatible with square-lock design
- Maintain proper support intervals to prevent sagging or unsupported spans
- Protect the conduit from sharp edges or mechanical damage
- Allow proper clearance from heat sources and combustible materials
- Follow all local electrical codes and safety regulations

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